



Fonte: il presente documento di reportistica di sostenibilità è stato scaricato dal sito dell'Alma Mater Studiorum – Università di Bologna al seguente link: <https://www.unibo.it/it/ateneo/chissiamo/bilancio-di-sostenibilita/reporting-on-united-nations-sustainable-development-goals>




ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

# REPORT ON U.N. SUSTAINABLE DEVELOPMENT GOALS | 2020

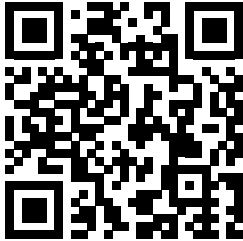


This document was created in order to redirect the readers to AlmaGOALS website for more information and further details.

The title of the boxes, title of sections, banners, icons of the SDGs are clickable and they address specific pages and projects. Follow the symbol 

The following QR Code refers to AlmaGOALS homepage.

Please, interact with the report and discover our actions towards SDGs.



*Report on U.N. Sustainable Development Goals drawn up by:*

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# INTRODUCTION

The United Nations' Agenda 2030 and its composing 17 Sustainable Development Goals (SDGs) is the leading flagship towards a more sustainable, consistent, and just world. The Coronavirus pandemic and its pressing social and economic consequences proved that we are more vulnerable than we believe so there is no choice but to be integrated and tied to create a better world to live in for our future generations.

The University of Bologna is committed to the values of Agenda 2030 and plays a leading role to guide all institutional actions towards the pursuit of sustainable development. Our efforts paid off and we are positioned within the top 20 universities in the last three years according to the Times Higher Education Impact Ranking list.

We have incorporated the 17 Goals in our mission and strategies, from the Strategic Plan to the many ongoing campus activities. We have been developing Report on U.N. Sustainable Development Goals since 2016 to systematically monitor the progress towards SDGs and bridge the university to many a range of local, national, and international stakeholders. There is also a dedicated website called AlmaGoals that echoes universities' endeavors and commitment towards the Agenda including the reports.

This report aims to outline some of the many activities in our University that contribute to the achievement of 17 SDGs the anchored on four dimensions of university activities: Teaching, Research, Third mission, and Institution. Thanks to the specific scientific group and our staff from various sectors that worked hard on the methodology, setting up metrics, and collecting, we could pile up a thorough and useful report for all to use. This year's report has also a devoted section to Covid-19 in which all the activities carried in the four abovementioned dimensions are depicted with the help of which we can map our commitment to getting out of the pandemic crisis.

The Sustainable Development Goals are for all, and everyone must take his part. The involvement, collaboration, and cooperation of everyone are essential for the formation of a solid base, where it is possible to build a different present and a sustainable future for all. Passing through this road is anything but easy which entails a wide-ranging partnership to realize the overarching principle 'no one be left behind'. Together we can.

**Francesco Ubertini**

Rector

Alma Mater Studiorum-Università di Bologna

## THE IMPACT RANKING: 20<sup>TH</sup>

The University of Bologna is extremely proud that its efforts regarding the SDGs have been certified by **Times Higher Education**.

In 2021, it was ranked 20<sup>th</sup> in the World, out of more than 1000 universities in 94 countries/regions. This ranking is the only global performance table that assesses universities against the United Nations' Sustainable Development Goals.

More specifically, the University of Bologna ranked

**5**  
number of sdgs  
in top 30

26<sup>TH</sup>



78<sup>TH</sup>



7<sup>TH</sup>



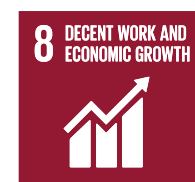
13<sup>TH</sup>



55<sup>TH</sup>



29<sup>TH</sup>



36<sup>TH</sup>



59<sup>TH</sup>



88<sup>TH</sup>



201-300



3<sup>TH</sup>



88<sup>TH</sup>



# ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA KEY FACTS



**YEAR OF FOUNDATION**



**5**

CAMPUSES:  
BOLOGNA, CESENA, FORLÌ,  
RAVENNA, RIMINI



**32**

DEPARTMENTS



**89,521**

TOTAL NUMBER OF STUDENTS  
ENROLLED IN DEGREE PROGRAMMES  
OF ALL LEVELS PHDS, MASTERS,  
POST-GRADUATE TRAINING AND LIFELONG  
LEARNING PROGRAMMES



**26**

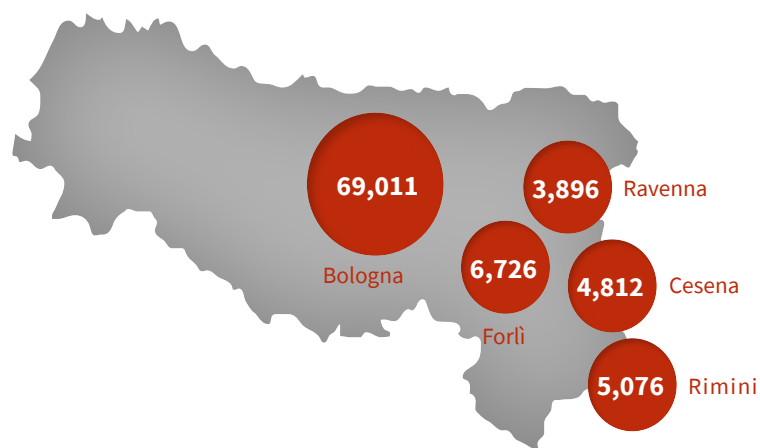
LIBRARIES



**15**

UNIVERSITY MUSEUM

## STUDENTS BY CAMPUS





**29**

RESEARCH PAPERS  
PER DAY



**> 10,614**

RESEARCH PAPERS  
PER YEAR



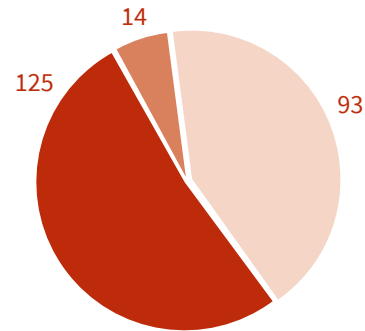
**224**

7PQ-H2020-LIFE-INTERREG  
RESEARCH PROJECTS

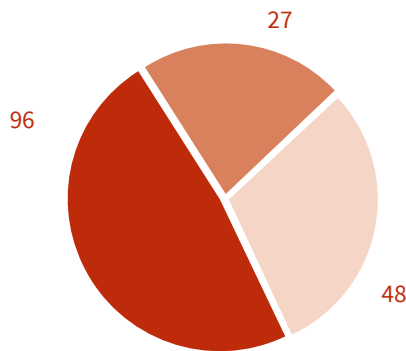


**232**

DEGREE PROGRAMMES  
(68 INTERNATIONAL)



- FIRST CYCLE DEGREE PROGRAMMES
- SECOND CYCLE DEGREE PROGRAMMES
- SINGLE CYCLE DEGREE PROGRAMMES



- PHD PROGRAMMES
- MASTER PROGRAMMES
- HIGHER EDUCATION  
AND LIFELONG  
LEARNING PROGRAMMES

### STUDENTS' INTERNATIONAL MOBILITY



**6,215**

INTERNATIONAL STUDENTS



**3,053**

INCOMING



**3,162**

OUTGOING



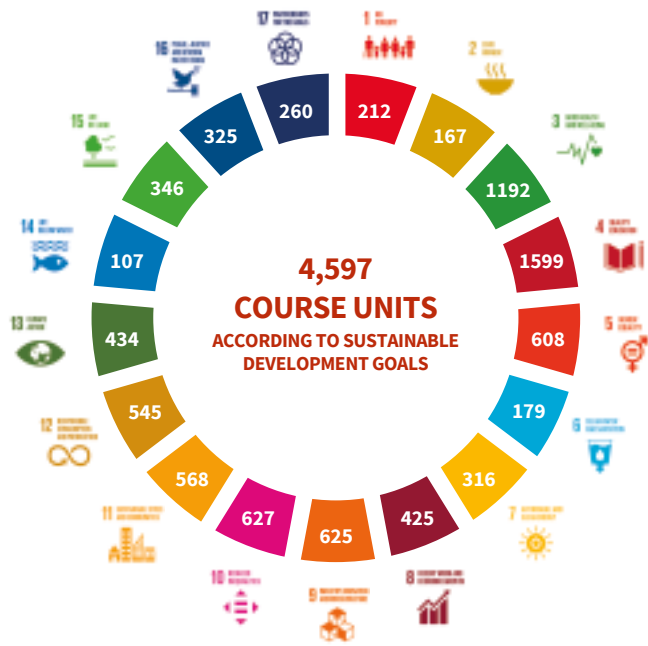
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# ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA U.N. SDGS HIGHLIGHTS

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SDGS RELATED COURSE UNITS



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# 1. END POVERTY IN ALL ITS FORMS EVERYWHERE

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TEACHING

 <b>251</b> COURSE UNITS	 <b>19,954</b> STUDENTS WHO CHOSE THE COURSE UNITS
---	--

THIRD MISSION

  
**1**  
 COOPERATION, SOCIAL  
 AND INDUSTRY  
 ENGAGEMENT  
 RESEARCH PROJECTS

RESEARCH

 PUBLICATIONS IN SCOPUS 2015-2020 <b>532</b> (UNIBO) <b>11</b> (ELSEVIER)	 "CITED BY" IN SCOPUS <b>26,233</b> (UNIBO) <b>107</b> (ELSEVIER)	 H INDEX <b>45</b> (UNIBO) <b>6</b> (ELSEVIER)
 <b>110</b> PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK	 <b>74</b> PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK	 <b>1</b> RESEARCH PROJECTS (2.46411 €)

## RESEARCH

### WORKYP PROJECT

The project Working and Yet Poor (WorkYP) is financed by H2020, and focused on the increasing social trend of working people bordering or below the poverty line. The Consortium will devote its research to exploring the reasons for this phenomenon and offer its recommendations to the

EU and legislators, in order to enhance the goals proclaimed in the European Pillar of Social Rights. This is a cooperative project between Sweden, Italy, The Netherlands, Belgium, Luxembourg, Germany, and Poland.

## THIRD MISSION

### UNI-CO-RE

The University Corridors for Refugees (Ethiopia- UniBo 2020-22) initiative was created to allow refugee students in Ethiopia to continue their academic careers at UniBo. The project is supported

by UniBo and United Nations High Commissioner for Refugees (UNHCR) Italy - UN Agency for Refugees and carried out through the support of numerous partners.

## COVID -19

### **Short-term rentals for students**

Following the health emergency, Alma Mater and the Municipality of Bologna agreed to promote facilitated housing conditions for students, including short-term leases. These measures are aimed at non-resident students and low-income students enrolled in the 2020/21 academic year.



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## 2. END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

---





TEACHING 



**192**

COURSE UNITS



**11,239**

STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**6**

COLLABORATIONS,  
TEACHING, MOBILITY

THIRD MISSION 



**5**

COOPERATION, SOCIAL  
AND INDUSTRY  
ENGAGEMENT  
RESEARCH PROJECTS

RESEARCH 



PUBLICATIONS IN  
SCOPUS 2015-2020

**550** (UNIBO)  
**213** (ELSEVIER)



“CITED BY”  
IN SCOPUS

**9,906** (UNIBO)  
**2,943** (ELSEVIER)



H INDEX

**43** (UNIBO)  
**30** (ELSEVIER)



**172**

PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**102**

PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**24**

RESEARCH  
PROJECTS  
(6,616,558 €)



## RESEARCH

### OLEUM PROJECT

The OLEUM project aims to generate novel, more effective, and harmonised analytical solutions to detecting and fighting the most common and emerging frauds and verifying the overall quality of olive oils (OOs). Through a core group of 20 partners

from fifteen countries, OLEUM will undertake research activities by developing improved and new analytical methods by targeted and omics approaches.

## THIRD MISSION

### FOODLAND PROJECT

This project seeks to increase the nutritional performance of agri-food systems in Africa and promote healthy diets to combat the various forms of malnutrition in this continent. UniBo, alongside

27 other partners, is aiming to find solutions and innovations for the development of agriculture and aquaculture in African countries.

## INSTITUTION

### KM0 PROJECT

The KM0 project is coordinated by UniBo's Azienda Agraria with the scientific contribution of the Department of Agricultural and Food Sciences, to ensure the highest quality for the supply chain. This initiative aims to promote a closer relationship between the city and the countryside, encouraging consumers to get to know and appreciate the typical

agricultural products of the area, following seasonal trends. This project educates consumers about the place of origin, cultivation techniques, and above all, the consumption of products at their ripest. In addition, the farm also cultivates minor species of fruit trees and there are numerous varieties, some of which can be considered heritage or even "ancient".

## COVID -19

### 1. PASS RESEARCH PROJECT

#### Plasma Assisted Sanitation System

As the results of many studies show, coronaviruses can survive on surfaces (such as metals, glass, or plastic) for up to nine days. For this reason, the PASS project is aiming to develop plasma-assisted sanitation systems for food packaging materials and equipment and/or tools used for processing and handling food products. The research aims to identify and assess specific plasma parameters able to induce the deactivation of Covid-19, to be used as input for the creation of a pre-industrial prototype, the commercialisation of which will be the final output of the entire project.

### 2. SAFELIVERY

#### Safer Food Delivery and distribution service during and after the COVID-19 Pandemic

SAFELIVERY's main aim is to develop innovative food delivery services and protocols suited to reduce the risk of food surfaces and packaging contamination by the COVID-19 virus, and other agents, during preparation and delivery of "Ready To Eat foods". This project will provide: i) enhanced HACCP protocols to manage/control risks related to potential human factors and delivery conditions ii) an unambiguous anti-tampering seal system recognisable through a mobile application iii) anti-tampering boxes with smart locks which can only be opened by a key code provided to the end customer iv) enhanced training for food handlers and delivery drivers.



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### 3. ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

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# 3 GOOD HEALTH AND WELL-BEING



## TEACHING



**1,373**  
COURSE UNITS



**96,231**  
STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**12,213**  
STUDENTS OF  
HEALTH DEGREES



**9**  
COLLABORATIONS,  
TEACHING, MOBILITY

## THIRD MISSION



**1**

COOPERATION, SOCIAL  
AND INDUSTRY  
ENGAGEMENT  
RESEARCH PROJECTS

## RESEARCH



PUBLICATIONS IN  
SCOPUS 2015-2020

**8,645** (UNIBO)  
**8,613** (ELSEVIER)



“CITED BY”  
IN SCOPUS

**209,685** (UNIBO)  
**210,759** (ELSEVIER)

## INSTITUTION



**243**

TEACHING  
STAFF



H INDEX

**155** (UNIBO)  
**156** (ELSEVIER)



**33**

RESEARCH  
PROJECTS  
(16,940,193 €)



**109**

TECHNICAL  
STAFF



**144**

PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**83**

PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK

## THIRD MISSION

### ELEPHANT

#### **Empowering universities' Learning and rEsearch caPacities in the one Health Approach for the maNagement of animals at the wildlife, livestock, and human interface in souTh Africa - ELEPHANT**

The ELEPHANT consortium consists of two European universities and six South African universities. This partnership helps African participants to improve their quality in teaching

and research by upgrading capacities in terms of better-equipped laboratories, standardised methodologies, and continuous interactions, within and beyond the project period, with all staff of other partners and graduate students. This will positively impact evidence-based One Health interventions to improve the health and welfare of animals and humans.

### ACTLIFE

#### **ACTLIFE**

Physical activity is a tool to improve the quality of life for osteoporosis sufferers. ACTLIFE is a partnership project among various institutions and universities focusing on preventing some of the

consequences of osteoporosis through physical activity. In particular, the project aims to deal with bone density and fear of falling in people with osteoporosis.

### LOCAL COLLABORATION

#### **Rizzoli Hospital**

The Rizzoli Orthopaedic Institute combines treatment and research with high-level healthcare. It houses the Cell and Musculoskeletal Tissue Bank, which is the regional referral centre for the collection, conservation and distribution of cells and tissues.

#### **Sant'Orsola-Malpighi Hospital**

The UniBo Hospital Authority St. Orsola-Malpighi Polyclinic develops and delivers multi-specialist research, education and training in an integrated manner. The hospital promotes innovation and pursues the highest degree of both patient/customer care and the training of medical students, as well as expanding the full potential of its skilled staff through goal sharing and assuming responsibility for results.

#### **Institute of Neurological Sciences**

Our university offers healthcare services which are part of state-run healthcare. The U.O.C. of the Neurological Clinic of the IRCCS Institute of Neurological Sciences of AUSL Bologna is a structure for the diagnosis and treatment of neurological diseases in adults and children. It works in a synergistic and integrated manner with the University Department of Biomedical and Neuromotor Sciences.

## INSTITUTION

### ROMAGNA SALUTE

#### **Romagna Salute**

A structured health project ranging from prevention to technological development, with multiple and diversified actions throughout the Romagna area. Among the many initiatives is a new course of study in Medicine and Surgery, with two offices at

the Forlì and Ravenna campuses, and a training network for internships and specialisation schools that will also encompass the Cesena and Rimini campuses, an innovative Institute for Health at the Rimini campus, and a new Biomedical Engineering path at the Cesena campus.

## INSTITUTION

### HEALTHCARE SERVICES

#### Podiatric clinic

The UniBo Outpatient Clinic for Podiatry provides the public with a complete range of services, with a high standard of care, for foot health and well-being, and provides podiatry services at reduced rates. The Outpatient Clinic is equipped with four podiatry units for the prevention and treatment of foot conditions.

#### Dental care

Students, teaching staff and technical and administrative staff (on duty and retired, including dependent children and spouses) can take advantage of the dental care service at the department's dental clinic.

### PSYCHOLOGICAL SUPPORT

**For students:** This service is aimed at young people with emotional and relational problems, affective and behavioural disorders, and difficulties with university and/or work life, and is free of charge for students studying at UniBo and for all young people aged between 18 and 28 years who use the health service in Bologna.

**For the staff:** This service is aimed at teaching and technical-administrative staff who wish to share psychological discomfort and / or relational and communicative problems in the workplace in a totally confidential space.

#### “Avrò cura di te”: psychological support service for the care of children and family members

This service offers psychological support for the caring role that adults can experience as parents of preschool/school-age children and adolescents, and as relatives of the sick or elderly.

- supporting parenting in the development of independence in preschool age
- support for parenting for a conscious use of technologies
- support for the acquisition of the caring role

### UNITS OF EXCELLENCE

#### The Paediatric and Evolutionary Cardiac Surgery Unit

is part of the Cardiothoracovascular Department, is the only accredited centre in the Emilia-Romagna region for the surgical treatment of congenital heart disease. The unit's activities consist of treatment of all congenital heart disease in patients of any age. This unit has been designated as the centre of reference in the Emilia Romagna Region for the surgical treatment of congenital heart disease.

#### Haematology Institute and Unibo

Istituto di Ematologia Lorenzo e Ariosto Seràgnoli and the Department of Diagnostic and Experimental Specialised Medicine and the national healthcare system partner to boost the diagnosis of haematological diseases, care and treatment of patients, through multidisciplinary methods, and with the development of innovative approaches.

#### Cross-Cultural Counselling

The Cross-Cultural Counselling Service aims to prevent critical situations relating to adaptation, study, excessive demands and complaints, isolation, conflicts with other students and/or teachers, practical environmental problems etc. from a cultural diversity standpoint. The service is free and offers assessment and analysis of psychosocial-cultural needs, primary assistance and orientation.

#### Sexually Transmitted Diseases

Our students have free access to the “Sexually Transmitted Disease Centre” at our university hospital. Conditions treated and services provided: Specialist visits and treatment of sexually transmitted diseases and genital conditions, information, education, prevention, and counselling (also psychological).

## INSTITUTION

### CUSB

Our students have free access to sports facilities managed by the **University of Bologna Sports Centre**. The service allows local schools to access the facilities at no charge during the free events/projects. For the local community, only access to the garden and the refreshment areas is free of charge. UniBo Sports Centre also offers pay-per-

use services such as sports facilities and courses (competitive, non-competitive, amateur sports). Services organised by CUSB are open to both students and employees, and the local community (citizens - sports clubs - associations) with discounts for CUSB-members.

### OUTRACE

In order to enhance outdoor spaces as necessary elements to increase the quality of life in university spaces and promote a healthy lifestyle, outrace sports equipment was inaugurated in 2019 at the Campus of Forlì within the framework of the

Sustainable Multicampus Project. University communities and citizens can use the facilities to carry out gymnastic activities. It also fits harmoniously into the context of the campus park.

## COVID -19

### **1. CYCLE OF SEMINARS TO PROMOTE EMPLOYEE WELL-BEING**

During the pandemic, the Guarantee Committee for equal opportunities held a cycle of seminars entitled "Facing change in the emergencies". The seminars consisted of psychophysical well-being, emotional relationships, and work management sessions to promote and share knowledge and useful tools to face the profound changes we are experiencing in the current health emergency based on three perspectives:

- . The personal sphere of psychophysical well-being
- . The interpersonal sphere of affective relationships
- . The sphere of relations with colleagues in the new ways of remote working

### **2. INFORMATIVE SEMINARS**

To raise awareness of SARS-COV-2 and fight against what the WHO calls the "infodemic", the university and Committee for Equal Opportunities put on an information seminar to provide information on and dispel some false myths about SARS-COV-2 and the pandemic in general.

### **3. HEALTHCARE SERVICE FOR NON-RESIDENT STUDENTS IN BOLOGNA**

The university provides direct health assistance and, in the event of suspected SARS-CoV-2 infection, referral to the public health service or activation of special continuity care units for students.



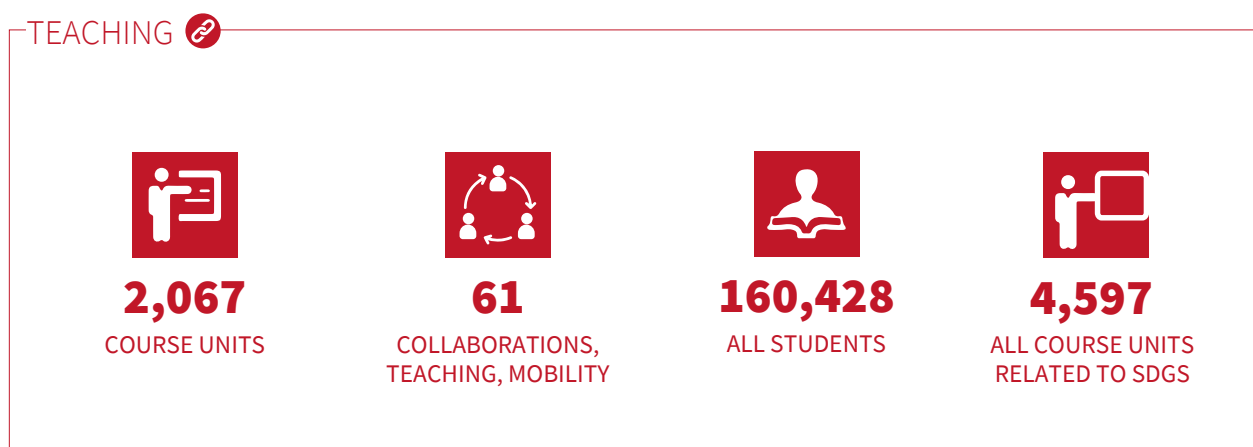


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# 4. WELCOME DAY FOR INTERNATIONAL STUDENTS

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**PARAMETERS FOR QUALITY EDUCATION**

STUDENT ATTRACTIVENESS	
Students enrolled in Second cycle degree programmes (from other universities)	11,144
Incoming exchange students	3,053
International students (UE and Extra-UE)	7.0%
SOCIAL INCLUSION	
Value of scholarships (merit and status based)	13,020,542€
Students followed by the Service for disabled	1,628
Enrolled University students by gender (first, second and single cycle degrees)	37,553 M 47,674 F
PROGRAMMES OFFERED AND MAIN RESULTS	
Degree programmes	232
Degree programmes taught in English	1289
Masters' programmes and post-graduate/lifelong learning programmes	123
Courses with at least three quarters of students satisfied with the course	79,7 %
Graduates	19,276
Graduates within regular enrollment	67%

RESEARCH 



PUBLICATIONS IN SCOPUS 2015-2020

**94** (UNIBO)  
**17** (ELSEVIER)



“CITED BY” IN SCOPUS

**597** (UNIBO)  
**128** (ELSEVIER)



H INDEX

**12** (UNIBO)  
**7** (ELSEVIER)



**85**

PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK



**107**

PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK



**6**

RESEARCH PROJECTS (3,349,598 €)

RESEARCH PRODUCTS 2019	No.
Articles	7,450
Chapters	1,648
Books	466
Proceedings	949
Translations	30
Patents/licences	239
Other	71
<b>Total</b>	<b>10,853</b>

THIRD MISSION 



**2**

COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS



**2,508**

STUDENTS ON LIFELONG LEARNING PROGRAMMES



**507**

TEACHERS ON LIFELONG LEARNING PROGRAMMES IN EDUCATION STUDIES

GUIDANCE (CURRENT AND OUTGOING STUDENTS)	No.
Curricular internships	16,790
Abroad curricular internships	828
(Virtual) Career Days participants	3,374
Job online participants	2,815
Job Placement service: N. ads posted en the bulletin board	2,683
N. of companiers accredited to the bulletin board	5,781
N.C.V. consulted	29,009

**INCLUSIVE4ALL. INCLUSIVE EDUCATION FOR ALL CHILDREN IN BOSNIA AND HERZEGOVINA**

Children with disabilities find themselves excluded from the educational and social system, often segregated within the family nucleus, and institutionalised in a system that does not guarantee them the right to an inclusive education. This project

therefore envisages the transformation of special centres following a revolution in the approach to disability in the country for the development of inclusive educational and social practices.

**KUDZIUA - KNOWLEDGE FOR THE CHILDREN OF ZAMBEZIA**

The project aims at improving the learning levels of preschool children through access to integrated education programs (ECCD), the improvement of health and nutritional practices and the enhancement of services for the protection of minors among the beneficiary communities in the Province of Zambezia, Mozambique, and especially in the Districts of Morrumbala and Milange. Specifically, UniBo's Department of

Education is involved in the following activities:

- Partnering in the development of tools and methodologies for the survey and the two external evaluations provided for
- Organising and supervising data collection on site
- Developing the impact study document
- Providing and strengthening the educational methodology to be adopted.

**TRAINED PEOPLE**

**% ON UNIVERSITY STAFF**

2,648

89,5%

**WELCOME DAY FOR INTERNATIONAL STUDENTS**

Every year UniBo welcomes its international students to the university community and the city. With this event, the university intends to help international students in their transition to university life in Bologna. As such, the event includes presentations of university facilities, services, and opportunities, as well as networking activities to build and foster a sense of community

among international and Italian students and ambassadors. In 2020, the annual welcome day for UniBo’s international students was organised as part of a larger event, Alma Fest. Both events, the Welcome Day for International Students and Alma Fest, underline the intercultural, welcoming and first orientation approach of the university to all its first-year students, including international ones.

**UNIBO OPEN KNOWLEDGE (BOOK)**

UniBO Open Knowledge (BOOK) is an initiative designed to develop and deliver MOOCs (Massive Open Online Courses). All courses are open to the general public and a specific certification is provided to every learner who complete a course.

The course Higher Education for Sustainable Development Goal introduces the concept of Sustainable Development and the recent debate and policies promoted at the global level to deal with urgent environmental and societal challenges.

**ALMA MATER FEST**

On 12 October 2020, the 1st edition of Alma Mater Fest, the welcome event for UniBo students, was held live and in streaming: it was a time for participation and sharing that saw the involvement of ten locations and channels active simultaneously in Bologna and the campus cities. Events, talks,

guests, stories from ambassadors, emotional videos and dialogue with students told the story of the university community through sport, sustainability, culture and music. Over 500 spectators attended in person, and there were 20,000 live stream views.

**DEPARTMENTS OF EXCELLENCE**

14 of our 32 Departments were selected by MIUR (Italian Ministry of Education, University and Research) as Departments of Excellence. This initiative gives

recognition to 180 Italian Universities Departments for the quality of their research and development projects.

## COVID -19

### **1. ONLINE LIBRARY**

The impact of the pandemic was particularly evident on front office services, with a 38% decrease in total circulation compared to 2019. With the closure of physical libraries, the university faced a considerable decline in the number of articles sent/received. This was a sign to increase the generalisation of the document offered in electronic format, both locally and nationally, and the expansion of the possibility of remote access and disbursement of the document supply service. The University Library System offered more electronic collections compared to 2019 to meet documentation requirements (specifically related to teaching) in the face of limitations to mobility and access to physical facilities.

### **2.SUPPORT FOR DIGITAL INNOVATION - EQUIPMENT AND PLATFORMS**

To cope with the various phases of the health emergency, the university has progressively developed and made available to teachers and the student community a wide range of tools and platforms to support remote and blended teaching.

Remote exams were made possible thanks to the EOL - Esami Online platform, with a plagiarism control system and with the two video conferencing platforms MS Teams and Zoom allowing teaching staff to carry out surveillance in real time.

To overcome the limitations of the pre-existing IOL (Online Teaching) application, a Virtual Learning Environment was created to allow teachers to hold lectures simultaneously in synchronous (through the creation of a virtual classroom) and asynchronous mode (with the professional management of lesson recordings, through integration with the Panopto multimedia platform).

Another essential tool for managing mixed teaching is the Present application, a system that allows students to signal their intention to participate in face-to-face teaching activities and allows the teacher to manage the capacity of the classroom and maintain a safe distance. This application is particularly advantageous at guaranteeing effective and timely tracking to manage any COVID-19 cases.

Finally, in order to allow future enrollments in the new academic year, a system has been developed to hold the admission tests completely online; for example, the TOLC tests for access to three-year degrees were held remotely (TOLC @ CASA).

### **3. ONLINE CONNECTION SUPPORT**

Facing the urgent shift to online teaching/learning, UNIBO offered 11,144 DATA SIM cards, valid for one semester, with 100 gigabytes/month of data included, to students enrolled in the 2020/2021 academic year to support the emerging online education requirements.

### **4.SUPPORT FOR DIDACTIC INNOVATION - TEACHER TRAINING**

The university has carried out a survey of online teaching experiences, intending to bring out and popularise good practices and ideas for the support and innovation of teaching methodologies.

The results were exploited for the planning of training methods, and online and blended education workshops.

### **5. RECOGNITION OF CIVIC ENGAGEMENT TO UNIBO STUDENTS**

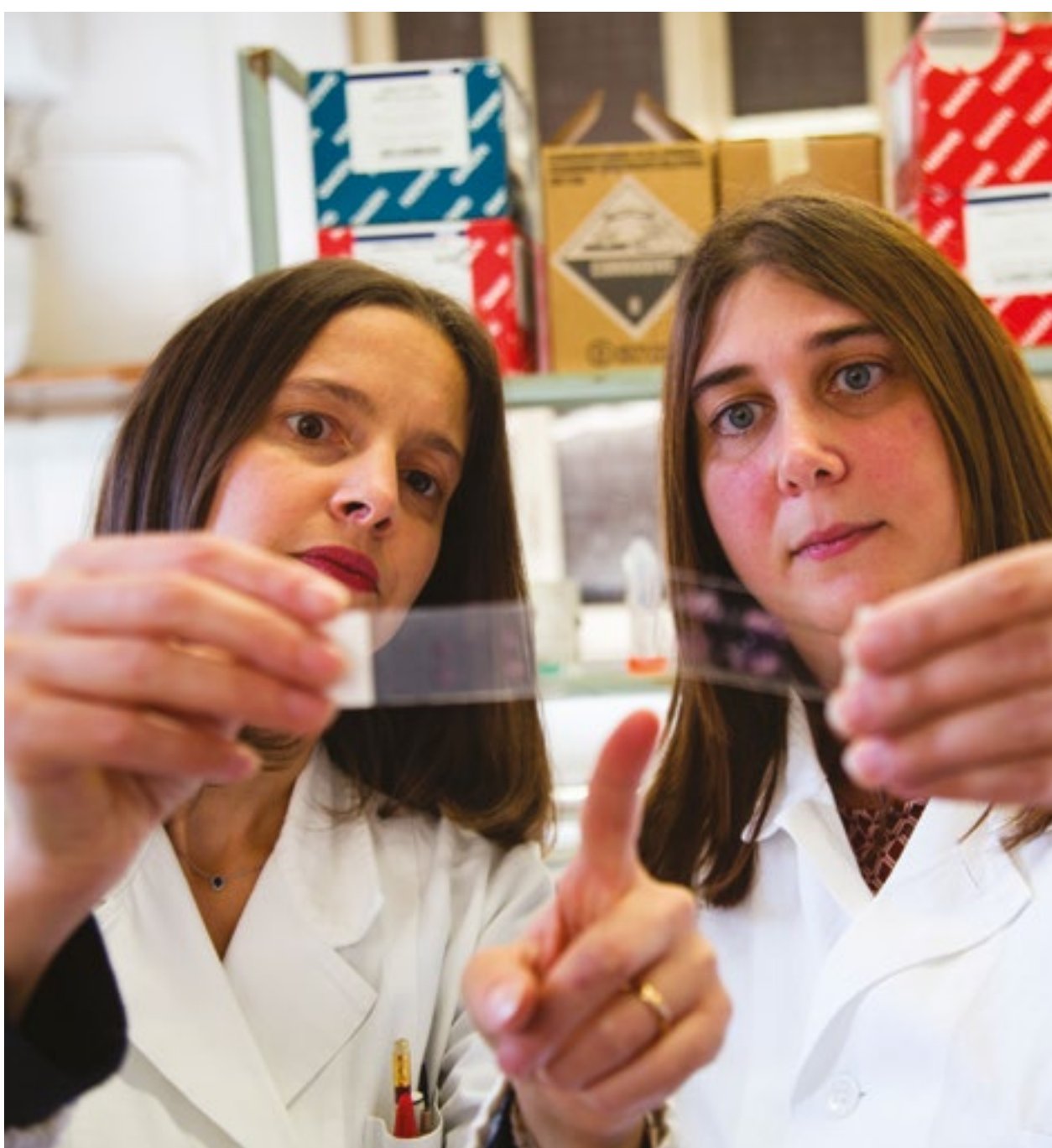
In 2020, the university conducted an experimental third-mission initiative to understand and map the student community's involvement in volunteer citizenship actions or civic engagement during the COVID-19 emergency and beyond.

The results of the survey demonstrated that many students were extremely responsive to the needs of their communities, both in Italy and abroad, putting their time, skills, and expertise at the service of active citizenship initiatives in a variety of fields (healthcare, support to vulnerable groups, care of natural and cultural heritage etc.). To publicly recognise the student community's commitment to societies, 369 merit mentions were jointly awarded by the Rector and the Student Council at Alma Mater Fest 2020.

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## 5. ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

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**5** GENDER EQUALITY



TEACHING 



**821**

COURSE UNITS



**67,751**

STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**1**

COLLABORATIONS,  
TEACHING, MOBILITY  
UNITS

RESEARCH 



PUBLICATIONS IN  
SCOPUS 2015-2020

**244** (UNIBO)  
**52** (ELSEVIER)



"CITED BY"  
IN SCOPUS

**26,088** (UNIBO)  
**3,428** (ELSEVIER)



H INDEX

**35** (UNIBO)  
**12** (ELSEVIER)



**99**  
PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**89**  
PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**1**  
RESEARCH  
PROJECTS  
(465,875 €)

INSTITUTION 



**1.40**

GLASS CEILING INDEX  
OF UNIVERSITY OF  
BOLOGNA



**168**

GOVERNING BODIES



**69**

+



**99**



## INSTITUTION

### ■ GUARANTEE COMMITTEE FOR EQUAL OPPORTUNITIES, EMPLOYEE WELLBEING AND NON-DISCRIMINATION AT WORK - CUG

In 2020, the "Guarantee Committee for Equal Opportunities, Employee Wellbeing and non-Discrimination at Work" (CUG) held an online seminar entitled "Sexual harassment: a still underestimated

phenomenon" to raise awareness about and sensitise the university community to matters regarding gender violence, its representation, and gender equality at UniBo.

### ■ GENDER EQUALITY ANNUAL REPORT

UniBo applies the national policy against any form of gender pay gap as stated in the Italian Constitutional Chart, art. 37, which states: "Working women are entitled to equal rights and, for comparable jobs, equal pay to men". Thus, a specific academic position corresponds to a specific pay equal for both genders. To monitor the application of this national

policy, as well as to monitor its overall position in terms of gender equality in teaching, research, career progression, and leadership positions, UNIBO provides its data by year in its Gender Equality Annual Report. In this document UNIBO also provides a specific index named "**University gender inequality index (UGII)**".

### ■ IMPLEMENTATION OF ACTIONS AIMED AT PROMOTING THE EFFECTIVE ADOPTION OF LANGUAGE THAT RESPECTS BUT DOES NOT NEGATE GENDER DIFFERENCES

CUG participated in the work of the "Technical Scientific Committee for the drafting of guidelines on gender language in the University", promoted by the Vice-Rector for Human Resources. In 2020, the Committee produced the publication entitled "Guidelines for the visibility of gender in UniBo

institutional communication." This document intends to promote awareness of the university community on the daily use of language attentive to gender differences, in institutional documents, in the forms produced by the general administration areas.

### ■ PLOTINA AND THE GENDER EQUALITY PLAN

Through **PLOTINA project** and our **Gender Equality Plan (GEP)** we promote and facilitate women's access to university studies even in those areas of study traditionally dominated by men. The overall objective of PLOTINA is to enable the development, implementation, and assessment of self-tailored Gender Equality Plans (GEPs) with innovative and sustainable strategies for the Research Performing Organisations (RPOs) involved. The Gender Equality Plan (GEP) is a flexible tool, comparable to a Positive

Action Plan, which is constructed by considering the peculiarities and needs of every single university or research centre. Moreover, in order to fight gender biases in the evaluation and recruitment of professors and researchers, we produced and distributed a downloadable training video. Last but not least, our university is participating in a national project that allows transgender students to adopt the name they want without being discriminated against at any time during their university career.

### ■ GENDER EQUALITY PROTECTION BODIES AT UNIBO

1) Guarantee Committee for Equal Opportunities, Employee Wellbeing and Non-Discrimination at Work – CUG, the Harassment Adviser; 2) Vice-Rector

of Human Resources; 3) Delegate for Occupational Welfare; 4) Delegate for Equal Opportunities; 5) Harassment Adviser.

### ■ BABY PIT-STOP

**Baby Pit-Stop** is a special quiet area for mothers who are students, PhD students, research fellows, academics, staff, and visiting friends and relatives, to

feed and change their babies at UniBo (Sustainable Multicampus Project).

THIRD MISSION **LET'S GIVE BACK TIME TO FAMILIES: PROMOTION OF THE CULTURE OF GENDER EQUALITY AND CONCRETE MEASURES AIMED AT RECOVERING TIME FOR PARENTING"**

CUG participated as a partner in the project "Let's give back time to families: promotion of the culture of gender equality and concrete measures aimed at recovering time for parenting. During 2020, UNIBO CUG:

- Co-ordinated exploration that led to the mapping of existing good practices and conciliation services
- Coordinated the four working groups (Public

Bodies, Crafts and Commerce, Cooperation and No Profit, Small and Medium Enterprises) aimed at proposing new good practice to be implemented

- Co-ordinated the Technical Project Committee defining the criteria for the selection of the candidates for the conciliation projects to be financed.



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## 6. ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

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TEACHING 



**198**  
COURSE UNITS



**12,025**  
STUDENTS WHO  
CHOSE THE COURSE  
UNITS

RESEARCH 



PUBLICATIONS IN  
SCOPUS 2015-2020

**722** (UNIBO)  
**105** (ELSEVIER)



"CITED BY"  
IN SCOPUS

**18,041** (UNIBO)  
**1,863** (ELSEVIER)



H INDEX

**47** (UNIBO)  
**21** (ELSEVIER)



**202**  
PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



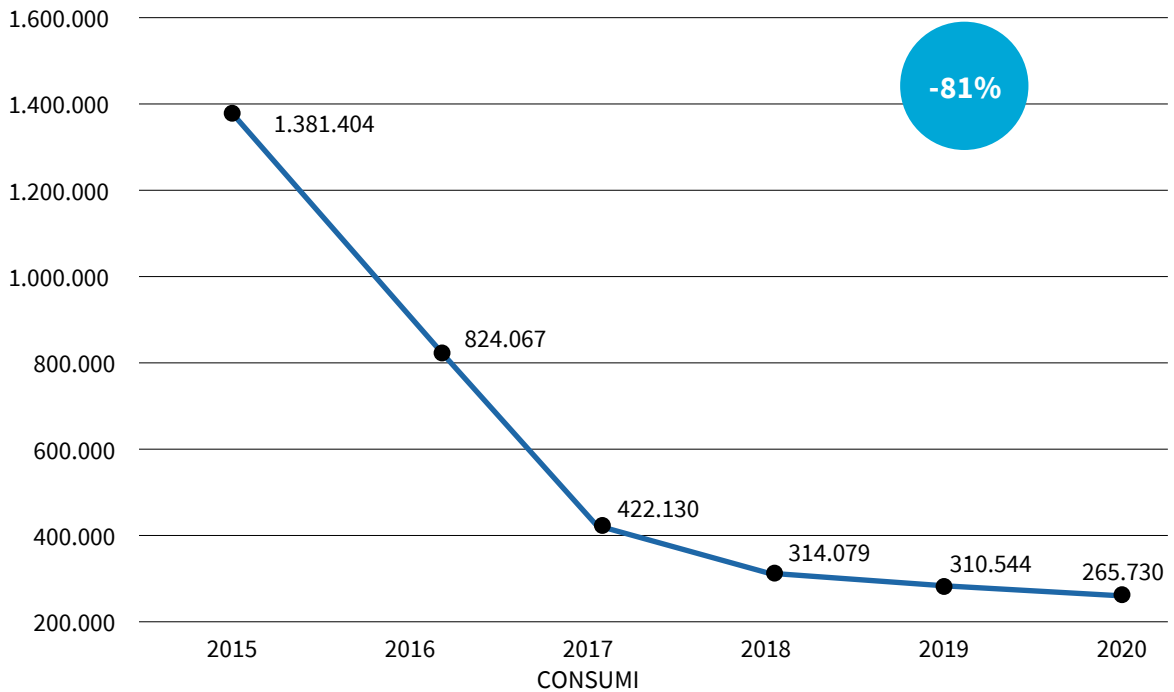
**118**  
PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**3**  
RESEARCH  
PROJECTS  
(1,197,694 €)

### THIRD MISSION

#### WATER CONSUMPTION: DATA IN M<sup>3</sup> OF WATER



**>50%**

OF INSTALLED APPLIANCES  
ARE WATER EFFICIENT

#### REUSE OF TREATED WASTEWATER FOR AGRICULTURAL PURPOSES IN AL-MAWASI DISTRICT - RAFAH GOVERNORATE - GAZA STRIP

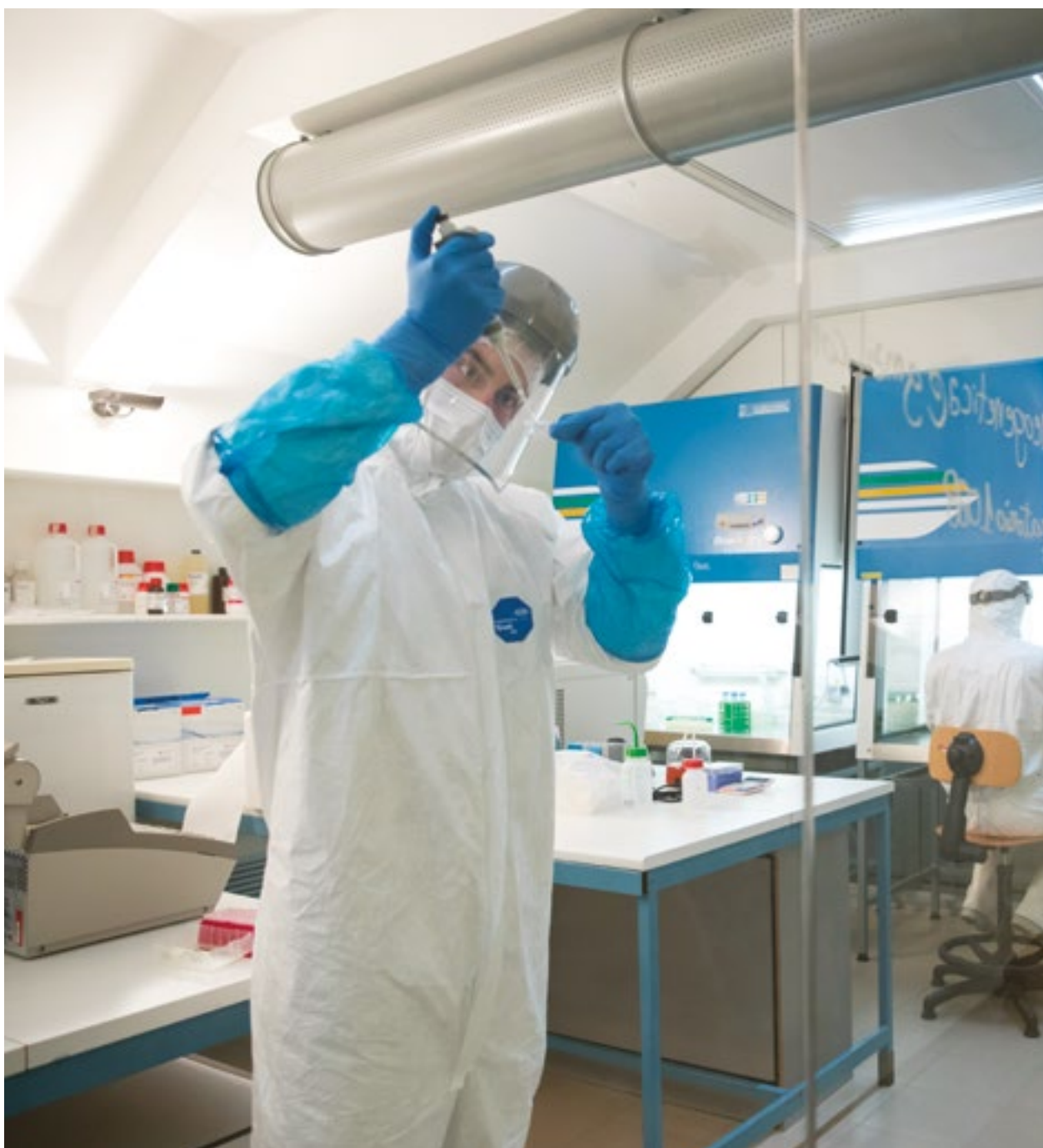
This project aims to achieve sustainable agriculture and food security using new technologies through reuse and saving of water resources aimed at

revitalising the agricultural sector, stimulating production diversification and market access for products.

RESEARCH **MADFORWATER- DEVELOPMENT AND APPLICATION OF INTEGRATED TECHNOLOGICAL AND MANAGEMENT SOLUTIONS FOR WASTEWATER TREATMENT AND EFFICIENT REUSE IN AGRICULTURE TAILORED TO THE NEEDS OF MEDITERRANEAN AFRICAN COUNTRIES**

The MADFORWATER project aims to develop integrated technological and management solutions to enhance wastewater treatment, reuse for irrigation, and water efficiency in agriculture in three MACs (Tunisia, Morocco, and Egypt). MADFORWATER will develop technologies to produce irrigation-

quality water from drainage canals, municipal, agro-industrial and industrial wastewaters and adapt them to three main hydrological basins in the selected MACs, in addition to technologies for water efficiency and reuse in agriculture, initially validated at laboratory scale.



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# 7. ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY

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# 7 AFFORDABLE AND CLEAN ENERGY



## TEACHING



**346**

COURSE UNITS



**21,086**

STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**3**

COLLABORATIONS,  
TEACHING, MOBILITY  
UNITS

## RESEARCH



PUBLICATIONS IN  
SCOPUS 2015-2020

**754** (UNIBO)  
**536** (ELSEVIER)



“CITED BY”  
IN SCOPUS

**15,229** (UNIBO)  
**9,580** (ELSEVIER)



H INDEX

**54** (UNIBO)  
**43** (ELSEVIER)



**151**  
PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**95**  
PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**18**  
RESEARCH  
PROJECTS  
(5,679,038 €)

## INSTITUTION



**1,312**  
MWH/YEAR  
SOLAR ENERGY  
PRODUCED



**> 75%**  
CONVENTIONAL  
APPLIANCES  
REPLACED BY  
ENERGY EFFICIENT  
ONES



**1,052**  
GREEN ROOF M<sup>2</sup> IN THE  
DEPARTMENTS OF:  
• CIVIL, CHEMICAL,  
ENVIRONMENTAL, AND  
MATERIALS ENGINEERING - DICAM  
• AGRICULTURAL AND FOOD  
SCIENCES - DISTAL

### PHOTOVOLTAIC SYSTEM

The photovoltaic system was installed in 2018 at the new Cesena campus to reduce energy consumption, through the enhancement of energy efficiency and the promotion of responsible use of energy, and reduction of the University's greenhouse gas emissions.





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8. PROMOTE SUSTAINED,  
INCLUSIVE AND SUSTAINABLE  
ECONOMIC GROWTH, FULL AND  
PRODUCTIVE EMPLOYMENT  
AND DECENT WORK FOR ALL

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**8** DECENT WORK AND ECONOMIC GROWTH





TEACHING 

<b>552</b>	<b>42,765</b>	<b>15</b>
COURSE UNITS	STUDENTS WHO CHOSE THE COURSE UNITS	COLLABORATIONS, TEACHING, MOBILITY UNITS

RESEARCH 

PUBLICATIONS IN SCOPUS 2015-2020	"CITED BY" IN SCOPUS	H INDEX
<b>508</b> (UNIBO) <b>158</b> (ELSEVIER)	<b>8,283</b> (UNIBO) <b>3,381</b> (ELSEVIER)	<b>38</b> (UNIBO) <b>22</b> (ELSEVIER)
PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK	PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK	RESEARCH PROJECTS (4,749,729 €)
<b>143</b>	<b>119</b>	<b>10</b>

THIRD MISSION 

<b>3</b>	<b>38</b>
COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS	SPIN OFFS AND START UPS

TEACHING STAFF	Women	Men
Full Professors	221	552
Associate Professors	550	698
Assistant Professors	392	441
Research fellows	556	645
<b>Total</b>	<b>1,719</b>	<b>2,336</b>

TECHNICAL-ADMINISTRATIVE STAFF	Women	Men
Heads of administrative divisions	9	7
Technical-Administrative staff	1,877	980
Language assistants	55	14
Farm workers	0	4
<b>Total</b>	<b>1,941</b>	<b>1005</b>

TRAINING ON HEALTH AND SAFETY IN WORKPLACES	No.
Training initiatives	73
Participants	4,620
Training hours	14,900

ECONOMIC AND FINANCIAL PERFORMANCE	%
Personnel expenses indicator	60,39%
Indebtedness indicator	4,27%
Economic-Financial Sustainability Indicator	1,31%

### WORK-RELATED STRESS ASSESSMENT

This project aims to evaluate the risk of stress among university staff and subsequently to identify improvement actions. The university has launched a survey for the assessment of work-related stress risk

using the Stress Assessment and Research Toolkit methodology, developed by occupational medicine practitioners and psychologists from our university.

### INITIATIVES SUPPORT ADMINISTRATIVE STAFF WITH DISABILITIES

UniBo pays particular attention to people with disabilities or in situations of personal hardship and organises various initiatives targeting these people. One is the Mobility and Labour Protection Office,

which promotes targeted placement throughout the working life. There is a widespread policy of raising awareness in work contexts and a collaboration network within and outside the university.

### CUG AND CONFIDENTIAL COUNSELLOR WITH DISABILITIES

UniBo fights all forms of discrimination, particularly through the activities of CUG. CUG fosters a culture of equal opportunities, ensures well-being and non-discrimination at work, within the competencies laid down in article 14 of the University Statute. It uses the university services dedicated to the promotion

of well-being at work, operating in partnership with the University's Confidential Counsellor. The Confidential Counsellor appointed by the Rector is an expert called on to prevent, manage and intervene in cases of workplace harassment and other forms of discrimination.

THIRD MISSION **UNIVERSITY BUSINESS ENGAGEMENT IN INDONESIA: SUPPORTING EMPLOYABILITY AND TRANSITION INTO THE GRADUATE LABOUR MARKET –SMART**

The SMART project provides a set of focused and complementary activities for enhanced university-business cooperation at Indonesian Higher Education Institutions (HEIs) to help them identify development opportunities, generate research-based knowledge, and contribute to ongoing education in the field. The project will facilitate the transfer of good practice from the EU to the PC HEIs; the setting up of professional units (Business

Engagement Centres) at seven PC HEIs, and training of their staff to allow them to accompany students and researchers in making their business ventures a reality. The creation of a University-Business Network, as a platform for dialogue and exchange of experiences, and “Start-Up Nights” and other stakeholder events will also contribute to inspiring nation-wide change.

**I-CAN - INDEPENDENCE, CAPABILITY, AUTONOMY, INCLUSION. CENTRE FOR INDEPENDENT LIVING FOR PERSONS WITH DISABILITIES IN THE GAZA STRIP**

The general goal of this project is to promote the full inclusion of persons with disabilities, in particular women with disabilities, in Palestine, more specifically in Gaza Strip. To strengthen the independence and self-determination of the targets, the project aims to set up a holistic and innovative

centre able to support teachers, educators, youth workers and families in the promotion of project initiatives (school and extracurricular) aimed to the construction of inclusive community educational contexts.

**THE COMMUNITY OF THE FUTURE: MEASURES OF SOCIAL AND WORKING INCLUSION FOR SKHODER'S ORPHANS**

The goal of this project is to facilitate social inclusion of child and teenage orphans. This aim will be made possible through upgrading of the skills of all operators working in public and private social services in the city, improving the social, educational, and economic independence of the orphans living in the municipality. Results: development of certified

training for social workers; establishment of a residential and educational community for eight children; improvement of cohabitation capacity of orphans living in some group home; inclusion of at least 60 orphans into training and working opportunities in order to allow them to achieve professional and financial independence.

RESEARCH **FOSTERING MIGRANT ENTREPRENEURSHIP INCUBATION IN EUROPE-MIG. EN. CUBE PROJECT**

This project seeks to enhance incubation professionals' knowledge and expertise in dealing with diverse (would-be) entrepreneurs. The aim is to foster migrant

entrepreneurs' opportunities to learn and experience how to start and grow a successful business.

## COVID -19

**AGILE EMERGENCY WORK**

During the pandemic, UniBo has supported staff and managers in adopting new ways of organising work, relating to people (colleagues, collaborators, managers, internal and external users) and communication; accompany the university's external users to the new methods of interaction.

Getting ready to accept the challenge of emergency agile working as an ordinary way of working by raising awareness.

The university aims to implement good practices over time, gathering suggestions and stimuli through discussions with structure managers and intermediate managers.

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# 9. BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION

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**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE



TEACHING 



**775**  
COURSE UNITS



**53,481**  
STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**2**  
COLLABORATIONS,  
TEACHING, MOBILITY  
UNITS

RESEARCH 



PUBLICATIONS IN  
SCOPUS 2015-2020  
**1,755** (UNIBO)  
**86** (ELSEVIER)



“CITED BY”  
IN SCOPUS  
**41,944** (UNIBO)  
**1,436** (ELSEVIER)



H INDEX  
**73** (UNIBO)  
**19** (ELSEVIER)



**128**  
PUBS PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**103**  
PUBS PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**32**  
RESEARCH  
DEPARTMENTS



**231**  
TOTAL H2020  
RESEARCH  
PROJECTS  
(106,771,719,€)



**7**  
INTERDEPARTMENTAL  
CENTRES  
FOR INDUSTRIAL  
RESEARCH (CIRI)



**57**  
RESEARCH  
PROJECTS  
(27,547,683 €)

INTERDEPARTMENTAL CENTRES FOR INDUSTRIAL RESEARCH - CIRI



**55**  
RESEARCH  
CONTRACTS  
BETWEEN CIRI  
AND COMPANIES



**53**  
PARTICIPATIONS  
IN RESEARCH  
PROJECTS



**1,437,000 €**  
NET REVENUES



**3**  
AGREEMENTS  
BETWEEN CIRI  
AND OTHER  
RESEARCH  
INSTITUTES



**239**  
PATENTS  
(INCLUDING NEW  
PLANT VARIETIES)

## INSTITUTION

### INNOVATION. DEVELOPMENT. ENTREPRENEURSHIP. ALMAMATER (I.E.D.A) CENTRE

The I.E.D.E centre is dedicated to inspiring students and gives space to their ideas through many projects and initiatives. This centre encourages students, teachers, and researchers to explore their business potential, to generate social impacts based on innovation and sustainability.

A few of the projects set in motion by I.E.D.A:

- Challenge Based Innovation (CBI)
- Creativity and Innovation Course
- Innovate by doing

### INCUBATORS

Networks of incubators located in different UniBo campuses offering incubation, pre-incubation and idea-scouting services, in addition to space

Innovation Square – Rimini  
Cesena Lab – Cesena  
Basement – Forlì  
AlmaCube

### ALMA CLUB

This club, launched in 2017, is an open community for UniBo's faculty members and scholars of all disciplines to spread entrepreneurial culture within the UniBo network. The club gives participants the chance to:

- Learn about entrepreneurship
- Be inspired by speakers
- Contribute with ideas and expertise to support entrepreneurship within our university

## RESEARCH

### BREADTH AND DEPTH STRATEGIES OF B CORPS IN PURSUING SDGS. LEARNING FROM NORTH AND SOUTH

The project's goal is to adopt breadth and depth conceptualisation to explain B Corps strategies towards achieving the SDGs, across the Global North and Global South. B Corps represent a set of hybrid social organisations, in which social and/or environmental objectives are to be integrated into profitable business activity. New data are

gathered from the SDG Action Manager: an impact assessment tool is developed to support businesses' contributions to the SDGs, and existing data collected from the B Impact Assessment (a tool adopted by firms to assess the impact on their community, environment, workers, and customers).

## COVID -19

### COVID-19 RESEARCH REPOSITORY

UniBo has constructed the COVID-19 Research Database: a dynamic tool that collects ideas, services and projects from research groups to share them with the scientific community, institutional partners, and companies, nationally and internationally. The database aims to encourage joint research, from the clinical to the technological, and from the social to the economic sphere.





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# 10. REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES

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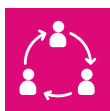


TEACHING



**849**

COURSE UNITS



**9**

COLLABORATIONS,  
TEACHING, MOBILITY



**73,029**

STUDENTS WHO  
CHOSE THE COURSE  
UNITS

RESEARCH



PUBLICATIONS IN  
SCOPUS 2015-2020

**1,348** (UNIBO)

**95** (ELSEVIER)



"CITED BY"  
IN SCOPUS

**51,913** (UNIBO)

**613** (ELSEVIER)



H INDEX

**69** (UNIBO)

**14** (ELSEVIER)



**127**

PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**99**

PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**5**

RESEARCH  
PROJECTS  
(3,733,981 €)

## THIRD MISSION

### FRIENDS - FOSTERING RESILIENCE-INCLUSIVE EDUCATION AND NON-DISCRIMINATION IN SCHOOLS

Differences of cultures, nationalities, languages and gender in educative systems often play into factors like low self-esteem, learning difficulties, and social exclusion. In addition to this, discrimination and violence in schools lead to lower outcomes, higher drop-out rates, and obstacles in the integration process of minority students. The FRIENDS project seeks a solution for this! FRIENDS is a 24-month project co-funded by the Erasmus program of the European Union under the Key Action 3: Support for policy reform: social inclusion through education, training, and youth. It aims to contribute to national and European strategies in response to the “Paris Declaration”, fostering social inclusion and intercultural understanding in education systems through the implementation on a wider scale of an innovative whole-school approach known as the Quiet Time based on the Transcendental Meditation program (Quiet Time/TM program).

## INSTITUTION

### STUDENT OMBUDSMAN

The role of the **Student Ombudsman**, provided for by article 15 of the University Statute, is to receive reports on dysfunctions and restrictions affecting the rights of students. This independent body does not report hierarchically or functionally, in any way, to university bodies and exists solely to ensure compliance with current regulations. Students can contact the Ombudsman to report any forms or types of abuse, dysfunctions, shortfalls, delays, violations of the law or the principles of good administration, lack of respect for values. The Student Ombudsman monitors UniBo’s teaching, research, and service activities with an impact on the rights and interests of the University's students, to ensure that they are in compliance with the values and rules laid down in the University's Code of Ethics and the principles and rights specified in the University Statute.

### CUG - THE GUARANTEE COMMITTEE FOR EQUAL OPPORTUNITIES, EMPLOYEE WELLBEING AND NON-DISCRIMINATION AT WORK

This committee makes proposals, provides consultation, ensures equal opportunities, enhances employee wellbeing, and prevents discrimination, as regards current Italian legislation and article 14 of the University Statute. It makes use of the internal services for the promotion of employee wellbeing provided by UniBo and works closely with the Harassment Advisor.



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# 11. MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE

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THIRD MISSION

<p><b>2</b> COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS</p>	<p><b>781</b> EVENTS IN ALL CAMPUSES</p>
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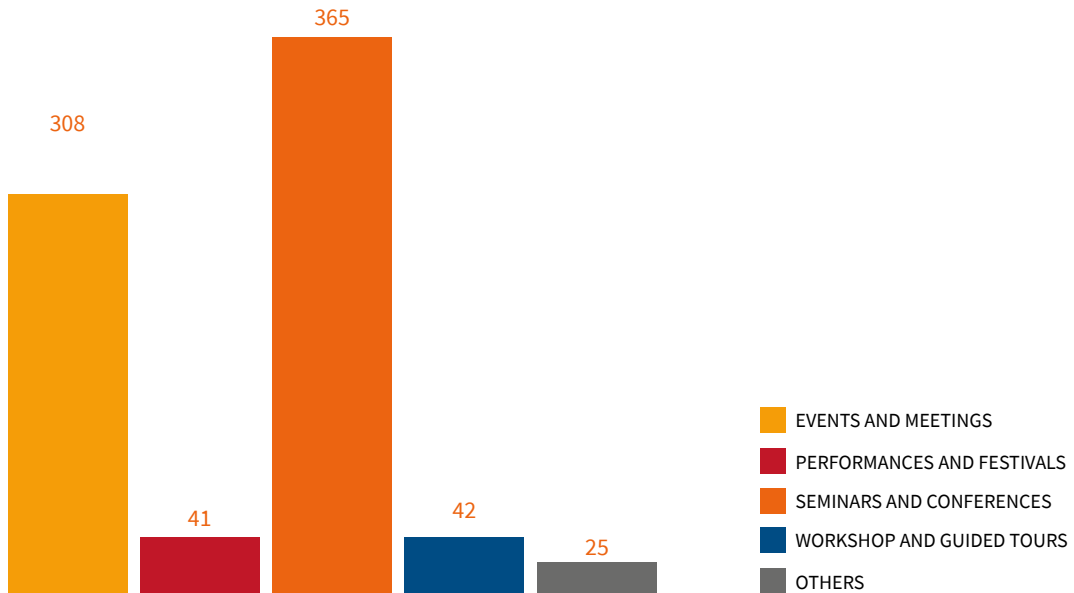
TEACHING

<p><b>674</b> COURSE UNITS</p>	<p><b>41,565</b> STUDENTS WHO CHOSE THE COURSE UNITS</p>	<p><b>4</b> COLLABORATIONS, TEACHING, MOBILITY</p>	<p><b>83 %</b> STUDENTS' SATISFACTION WITH CLASSROOMS</p>
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RESEARCH

<p>PUBLICATIONS IN SCOPUS 2015-2020</p> <p><b>836</b> (UNIBO) <b>277</b> (ELSEVIER)</p>	<p>"CITED BY" IN SCOPUS</p> <p><b>13,849</b> (UNIBO) <b>6,004</b> (ELSEVIER)</p>	<p>H INDEX</p> <p><b>48</b> (UNIBO) <b>35</b> (ELSEVIER)</p>
<p><b>136</b> PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK</p>	<p><b>106</b> PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK</p>	<p><b>18</b> RESEARCH PROJECTS (7,193,545 €)</p>

**PUBLIC ENGAGEMENT: EVENTS BY TYPE**



**15**  
UNIVERSITY MUSEUM



**+15,2%**  
FACEBOOK FANS

**IMPROVING RESEARCH CAPACITIES OF ALBANIAN HIGHER EDUCATION INSTITUTIONS IN CONSERVATION AND RESTORATION OF CULTURAL HERITAGE – REACH**

The REACH Project started in 2020 for a period of three years, involving Albanian, Italian and Spanish universities. The goal is to create multidisciplinary research techniques and technological skills to conserve and restore cultural heritage in Albania.

Given that cultural heritage is a key resource for the growth of the local economy, REACH aims to contribute to its EU accession process, thanks to the modernisation and internationalisation of higher education institutions.

**EUROPEAN MOBILITY WEEK**

UniBo took part in the annual European Mobility Week as a partner in 2020. It is an awareness-raising campaign to promote behavioural change to favour

active mobility, public transport, and other clean, intelligent transport solutions.

## THIRD MISSION

### ROCHEMP – ARMENIA: CREATION OF A REGIONAL CENTRE FOR THE CONSERVATION, MANAGEMENT AND ENHANCEMENT OF CULTURAL HERITAGE

This project is divided into five core topic areas (Management, Training, Regulations, Communication, Regional-Hub), with the direct training of the centre's staff and local and regional experts, according to the principles and standards applicable in the European context. The project involves teachers, researchers, and technical staff from the Department of Cultural Heritage, Architecture, History, Cultures and Civilisation,

and the Centre for Advanced Studies for Tourism. They share their skills and knowledge in the field of restoration, survey and intervention planning, diagnostics, digital heritage and tourist enjoyment of cultural heritage, through the creation of permanent training courses for local and regional experts, conferences, workshops, round tables and seminars, and practical on-the-job training activities.

### PUBLIC ENGAGEMENT: EVENTS IN UNIVERSITY CAMPUS CITIES

#### Promote culture and heritage

- **BOLOGNA UNIVERSITY MUSEUM NETWORK – (SMA):**  
brings together the corpus of 15 University Museums and Archives. Only the Palazzo Poggi Museum (the Rectorate) requires paid entrance, while the other 14 are free to access.
- **LIBRARY SYSTEM – SBA:**  
All SBA users have free access to the libraries and their resources for study and research purposes.
- **HISTORICAL ARCHIVE:**  
the structure of the university is dedicated to the conservation and enhancement of its documentary heritage.
- **BOTANIC GARDEN HERBARIUM:**  
one of the earliest in Europe, containing collections of dried plants dating from the sixteenth century onwards. The Botanical Garden is about five acres in size, where more than 5,000 examples of local and exotic plants grow.
- **LA SOFFITTA:**  
a research centre for the arts (cinema, music, theatre, dance). It organises performances, workshops and exhibitions throughout the year.
- **COLLEGIUM MUSICUM:**  
university orchestra that involves 300 students yearly, putting on fifteen concerts equating to 400 hours of music.



## INSTITUTION

### UNIBOCULTURA

UniBo's mission has always included a fundamental role involving the promotion of cultural events aimed primarily at students and other public participants. UniboCultura gathers together all the non-specialist events organised and promoted by the University

and its various structures, into one major program, often partnering with other cultural institutions and other organisations from the surrounding community.

### GREEN OFFICE

The Green Offices of the Alma Mater (GOAL) is a project to strengthen the relationship between the components of the UniBo University Community (students, staff, and teachers) and promoting planning on sustainability issues. GOALS represents a community action and involves young people to build the university's future and define sustainability

strategies and policies. The synergy between the various players involved allows the enthusiasm and ideas coming from all the university bodies to be made concrete through the implementation of projects and initiatives related to the various sustainability issues.



**229,925**

M2 OF SMART BUILDINGS

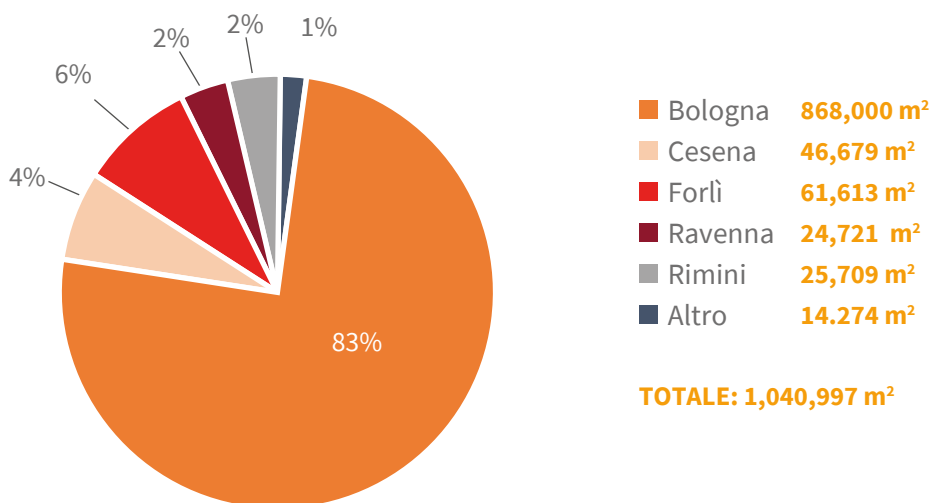


**5,065,176**

M2 OF GREEN AREAS

The ration parking area is 2% of the 80000 m2 of the total area of campus.

### GEOGRAPHICAL DISTRIBUTION OF BUILDINGS



The data refer to the indoor surface area of the buildings and do not include outdoor areas.

## COVID -19

**LACULTURANONSIFERMA**

The University Museum System is part of the Emilia-Romagna Region's #laculturanonsiferma, which has prepared a series of initiatives on its Facebook and Youtube page about Museums and Collections, stories, and reflections on the pressing issues being experienced at the time, educational activities for children, and parents. Every week the social pages of the UniBo Museums were enriched with many pieces of content for all ages. The most important of these events include:

**Aspettando il Nastro Verde:**

Talking about sustainability and health through cinema.

Unibosera: Including brief interventions, dialogues, debates on the time of waiting, changing habits, fears, new forms of sociality, the perception of time, waiting for the future.

**In prospettiva:**

Theatrical dialogues providing a series of meetings that give a voice to artists, scholars, and others in the world of live entertainment to talk about the role of the performing arts in the post-pandemic phase.



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## 12. ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

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TEACHING



**637**  
COURSE UNITS



**4**  
COLLABORATIONS,  
TEACHING, MOBILITY



**41,042**  
STUDENTS WHO  
CHOSE THE COURSE  
UNITS

RESEARCH



PUBLICATIONS IN  
SCOPUS 2015-2020

**2511** (UNIBO)  
**254** (ELSEVIER)



"CITED BY"  
IN SCOPUS

**6,117** (UNIBO)  
**5,437** (ELSEVIER)



H INDEX

**77** (UNIBO)  
**35** (ELSEVIER)



**144**

PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**105**

PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**13**

RESEARCH  
PROJECTS  
(7,020,521 €)

THIRD MISSION



**>75%**

EXTENSIVE RECYCLING  
PROGRAM FOR  
UNIVERSITY WASTE



**>75%**

ORGANIC, INORGANIC  
AND TOXIC  
RECYCLED WASTE

**CATALYSING A SWITCH TO A CIRCULAR ECONOMY THROUGH PLASTIC WASTE PREVENTION- ECIRCULAR**

The eCircular Flagship programme will accelerate the circularity of plastic-based material systems and dematerialisation of plastic demand, with the vision of reaching a carbon-neutral material system by 2050. eCircular will promote smart manufacturing

solutions, advanced eco-design approaches, new business models and alternative consumption patterns. Advanced policies and industry standards will be explored to scale-up innovative solutions.

**DEVELOPING AND IMPLEMENTING SUSTAINABILITY-BASED SOLUTIONS FOR BIO-BASED PLASTIC PRODUCTION AND USE TO PRESERVE LAND AND SEA ENVIRONMENTAL QUALITY IN EUROPE' — 'BIO-PLASTICS EUROPE'**

The BIO-PLASTICSEUROPE project addresses the topic “Sustainable solutions for bio-based plastics on land and sea“ within the focus area “Connecting economic and environmental gains - the Circular Economy (CE)” and will focus on sustainability strategies and solutions for bio-based products to support the Plastics Strategy. This will include innovative product design and business models facilitating efficient reuse and recycling strategies and solutions,

including ensuring the safety of recycled materials when used for toys or packaging of foodstuffs. In line with the EU strategy on international cooperation in research and innovation, and in order to encourage further replication, the European consortium is complemented by a partner in Malaysia, providing an added value and helping them to address the many problems they face.



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# 13. TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

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TEACHING



**531**  
COURSE UNITS



**29,950**  
STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**3**  
COLLABORATIONS,  
TEACHING, MOBILITY  
UNITS

THIRD MISSION



**1**  
COOPERATION, SOCIAL  
AND INDUSTRY  
ENGAGEMENT  
RESEARCH PROJECTS

RESEARCH



PUBLICATIONS IN  
SCOPUS 2015-2020  
**311** (UNIBO)  
**378** (ELSEVIER)



“CITED BY”  
IN SCOPUS  
**4,011** (UNIBO)  
**5,195** (ELSEVIER)



H INDEX  
**31** (UNIBO)  
**34** (ELSEVIER)



**87**  
PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**119**  
PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**8**  
RESEARCH  
PROJECTS  
(4,038,958 €)

INSTITUTION



**516**  
CARBON FOOTPRINT



**8,367**  
PERSONAL PASSES  
FOR USE OF PUBLIC  
TRANSPORT ON  
FAVORABLE TERMS



**33**  
EVERAGE  
PASSENGER IN  
A BUS



**5**  
KM OF VEHICLES' DAILY  
TRAVEL INSIDE CAMPUS



**6**  
SLOW MOBILITY  
INITIATIVES



**23**  
SHUTTLES IN UNIVERSITY



**172**  
TOTAL TRIPS OF DAILY  
SHUTTLE SERVICES



**6,673**  
ZERO EMISSION VEHICLES  
ON CAMPUSES PER DAY



## THIRD MISSION

### DEAR - END CLIMATE CHANGE, START CLIMATE OF CHANGE: A PAN-EUROPEAN CAMPAIGN TO BUILD A BETTER FUTURE FOR CLIMATE-INDUCED MIGRANTS, THE HUMAN FACE OF CLIMATE CHANGE (#CLIMATEOFCHANGE)

The purpose of this project is to raise awareness about the complex relationship between climate change and migration and make informed people ready to change their lifestyle based on new environmental policies. The initiative is sponsored

by the European Commission with the DEAR (Development Education and Awareness Rising) project, which supports initiatives concerning EU citizens in social, economic, and environmental issues of global concern.

### GREAT – MANAGEMENT OF ECONOMIC, ENVIRONMENTAL AND TERRITORY RESOURCES

This project aims to strengthen the resilience of rural communities in dry zones for fostering their climate change adaptation. It aims to help people enhance their nutrition and their income through differentiation, year-round extension of production activities and improvements in natural

resources management skills. The effects due to climate change will be mitigated by operations at three different levels: with the beneficiaries, at the community level, and by involving public actors and institutions.

### UNIBO AND UNIVERSITY COLLEGE OF CORK TOGETHER FOR SUSTAINABLE DEVELOPMENT

The universities are joined by a partnership agreement that is giving rise to several joint actions on sustainability issues. One of the most ambitious goals of this project is to define new methodologies for calculating the carbon footprint of universities.

The goal is to develop a new method to be proposed to the managers of the GreenMetric ranking and then applied worldwide to improve the one currently used by the ranking.

## INSTITUTION

### MI MUOVO LIBERO

Within the framework of the Sustainable Multicampus project, UniBo students and staff can purchase annual public transport passes for Bologna and surrounding areas at lower prices. There is also an agreement with the city bicycle station to provide

discounts for repairs and parking. The University completely renewed its car fleet, switching from owned cars to rented cars, mainly electric or hybrids. Car sharing was also set up!

## RESEARCH

### OPERANDUM - OPEN-AIR LABORATORIES FOR NATURE BASED SOLUTIONS TO MANAGE ENVIRONMENTAL RISKS

The objective of OPERANDUM is to reduce hydro-meteorological risks around Europe through co-designed, co-developed, deployed, tested, and proven innovative green and blue/grey/hybrid Nature-Based Solutions (NBS), and to drive business exploitation. It aims to provide scientific evidence

for the usability of NBS, and best practice for their design based on participatory processes. It foresees multiple levels of stakeholder engagement from the local community up to the international level to leverage the widest possible NBS acceptance.



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# 14. CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINES RESOURCES FOR SUSTAINABLE DEVELOPMENT

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TEACHING **145**

COURSE UNITS

**7,080**STUDENTS WHO  
CHOSE THE COURSE  
UNITS**2**COLLABORATIONS,  
TEACHING, MOBILITYRESEARCH PUBLICATIONS IN  
SCOPUS 2015-2020**28** (UNIBO)  
**309** (ELSEVIER)"CITED BY"  
IN SCOPUS**559** (UNIBO)  
**4,335** (ELSEVIER)

H INDEX

**14** (UNIBO)  
**30** (ELSEVIER)**232**PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK**195**PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK**14**RESEARCH  
PROJECTS  
(5,035,550 €)

## THIRD MISSION

### ■ TRASMARES - SPECIALISED TRAINING ON APPLIED TOOLS FOR SUSTAINABLE MARINE ECOSYSTEMS

TRASMARES consists of three higher education institutions including UniBo to develop higher-level technical training on new methods, procedures, and tools for the sustainability of marine ecosystems, within the context of the climate change scenario. With this goal, the main output of TRASMARES will

be an open online micro-credential of 4 MOOCs integrated into the MiriadaX platform, which will run beyond the project lifetime as committed by Telefónica Educación Digital (TED) in the partnership agreement.

## INSTITUTION

### ■ MERAUVIGLIE BLU EVENT

This event was held in September 2020 in partnership with National Geographic to discover how to safeguard the enormous marine heritage by recovering the ancient balance between Man and

Nature. A closer look at the secrets that oceans hold – underwater worlds of wonders and coral forests with a fundamental role for the planet.

## RESEARCH

### ■ EUMARINEROBOTS - MARINE ROBOTICS RESEARCH INFRASTRUCTURE NETWORK

Oceans are the least-explored region of planet Earth. Protection and sustainable development of ocean resources presents formidable challenges. EUMarineRobots (EUMR) proposes an access infrastructure for the deployment of a full range

of aerial, surface, and sub-surface marine robotic assets, the combined value of which is far greater than the sum of their parts. EUMR will open transnational access to significant national marine robotics R&D assets across Europe.

### ■ ODYSSEA - OPERATING A NETWORK OF INTEGRATED OBSERVATORY SYSTEMS IN THE MEDITERRANEAN SEA

ODYSSEA will develop an interoperable and cost-effective platform that fully integrates networks of observation and forecasting systems across the Mediterranean basin. The platform will collect data from databases maintained by agencies, public

authorities, and institutions of Mediterranean EU and non-EU countries, providing both primary data and on-demand derived data services, including forecasts, through a single public portal to various end-user groups and stakeholders.



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15. PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

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TEACHING **423**

COURSE UNITS

**25,846**STUDENTS WHO  
CHOSE THE COURSE  
UNITSRESEARCH PUBLICATIONS IN  
SCOPUS 2015-2020**96** (UNIBO)  
**182** (ELSEVIER)"CITED BY"  
IN SCOPUS**1,503** (UNIBO)  
**3,017** (ELSEVIER)

H INDEX

**22** (UNIBO)  
**27** (ELSEVIER)**102**PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK**70**PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK**8**RESEARCH  
PROJECTS  
(2,275,031 €)



## RESEARCH

### ■ NO PROBLEMS - NOURISHING PROBIOTICS TO BEES TO MITIGATE STRESSORS

Over the last few decades, bees have been threatened by several biotic and abiotic stresses, which strongly affect the integrity of hives. Consequently, the beekeeping sector and ecosystems and agricultural sectors depending on pollinators are suffering from

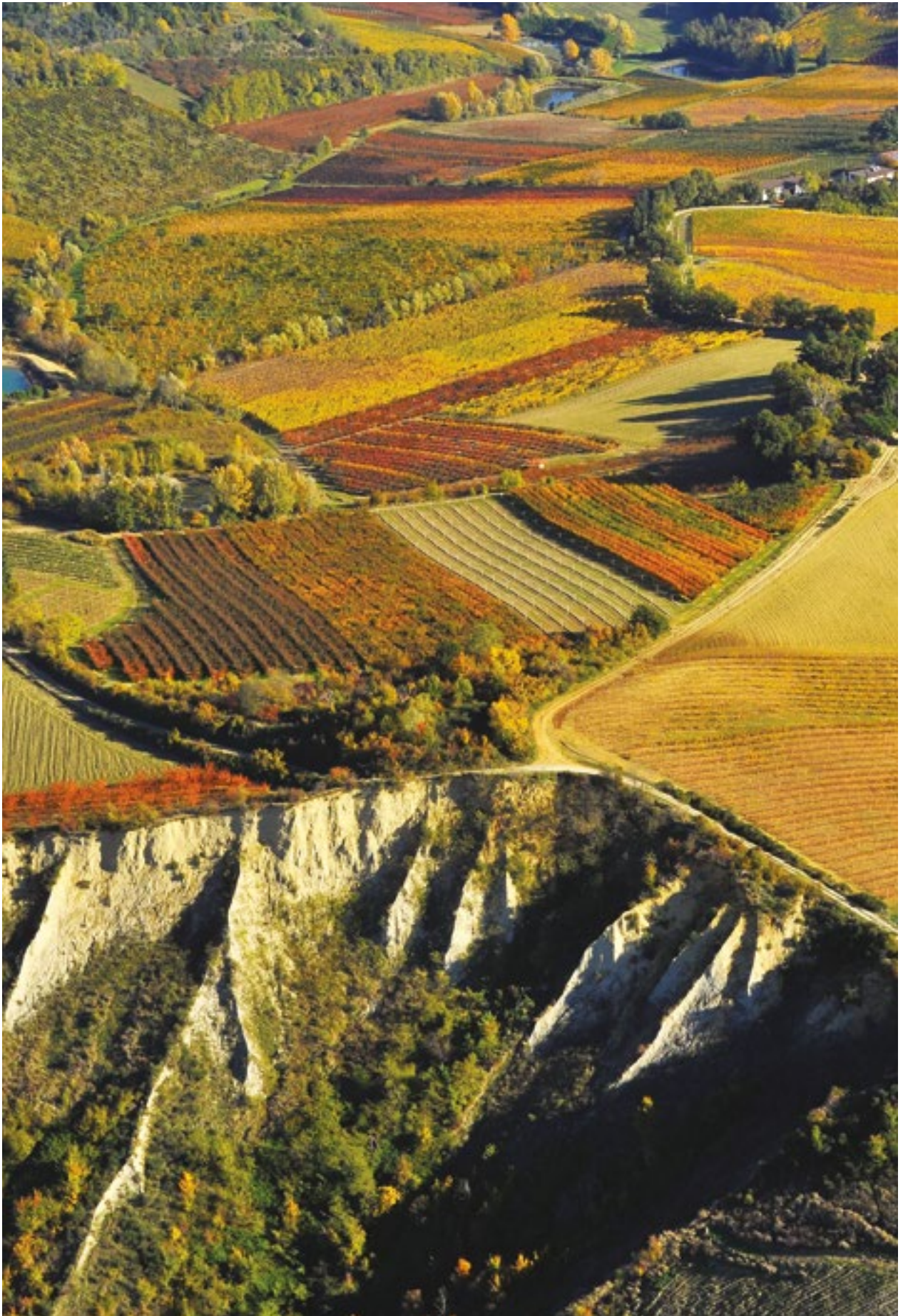
lack of pollination. The No PROBLEMS research project aims to develop a strategy for bee gut health based on microbial and plant resources to inhibit harmful proliferation and mitigate the effect of synergic bee stressors.

## INSTITUTION

### ■ THE EXPERIMENTAL FARM-AUB

The UniBo Experimental Farm - AUB, operational since 1974, supports research and experiments conducted by agricultural science and veterinary medical science departments. Today, the farm provides services for the design, implementation and maintenance of green areas throughout the University. It also runs a canteen at the Cadriano

Centre for teaching and experimentation. In general, it is an 'observatory' of agriculture as practised in Italy, fielding the kind of questions that consumers and agriculturists expect the academic world to answer. This whole multi-faceted facility forms a training ground for students.



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16. PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS

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TEACHING 



**389**

COURSE UNITS



**36,812**

STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**7**

COLLABORATIONS,  
TEACHING, MOBILITY

THIRD MISSION 



**1**

COOPERATION, SOCIAL  
AND INDUSTRY  
ENGAGEMENT  
RESEARCH PROJECTS

RESEARCH 



PUBLICATIONS IN  
SCOPUS 2015-2020

**364** (UNIBO)  
**205** (ELSEVIER)



"CITED BY"  
IN SCOPUS

**22,247** (UNIBO)  
**1,261** (ELSEVIER)



H INDEX

**37** (UNIBO)  
**18** (ELSEVIER)



**106**  
PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**123**  
PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**6**  
RESEARCH  
PROJECTS  
(4,553,891 €)

## THIRD MISSION

### MORALE- CAPACITY BUILDING FOR CURRICULA MODERNISATION OF SYRIAN AND LEBANESE HEIS AND LIFELONG LEARNING PROVISION: TOWARDS SUSTAINABLE NGOS MANAGEMENT AND OPERATION WITH SPECIAL FOCUS ON REFUGEES

Morale is a joint project between Syria & Lebanon to provide the NGO labour market sector with highly skilled professionals trained to effectively manage and operate in NGO environments by means of modernising social and behavioural sciences-related curricula and by offering Life Long Learning (LLL) courses targeting NGO professionals at partner universities. To raise the awareness on the key role of HE in the provision of high-level skills and expertise

of future NGO professionals and strengthen inter-institutional cooperation among HEIs, NGOs, and governments through targeted networking actions. The project is in keeping with the national & regional priorities and the undeniable need to integrate and make the HE sectors, specifically PC HEIs, the key players in the future generation of NGOs (working with refugees), high skilled professionals and for the provision of LLL for NGO staff and skills updating.

### INCLUSIVE SCHOOLS AND COMMUNITIES FOR ANOTHER CITIZENSHIP. COMMUNITY ALLIANCE FOR SOCIAL INCLUSION AND VIOLENCE PREVENTION IN THE DEPARTMENT OF CHALATENANGO (EL SALVADOR)

The project aims to reduce youth violence by increasing the opportunities for access and participation of children in the formal and informal educational system. UniBo will contribute with its expertise on inclusive education, strengthening teachers' pedagogical/didactic skills and supporting planning of educational methods; it will contribute to the evaluation of the inclusion and empowerment level of the educational services involved. The activities to be carried out by UNIBO are:

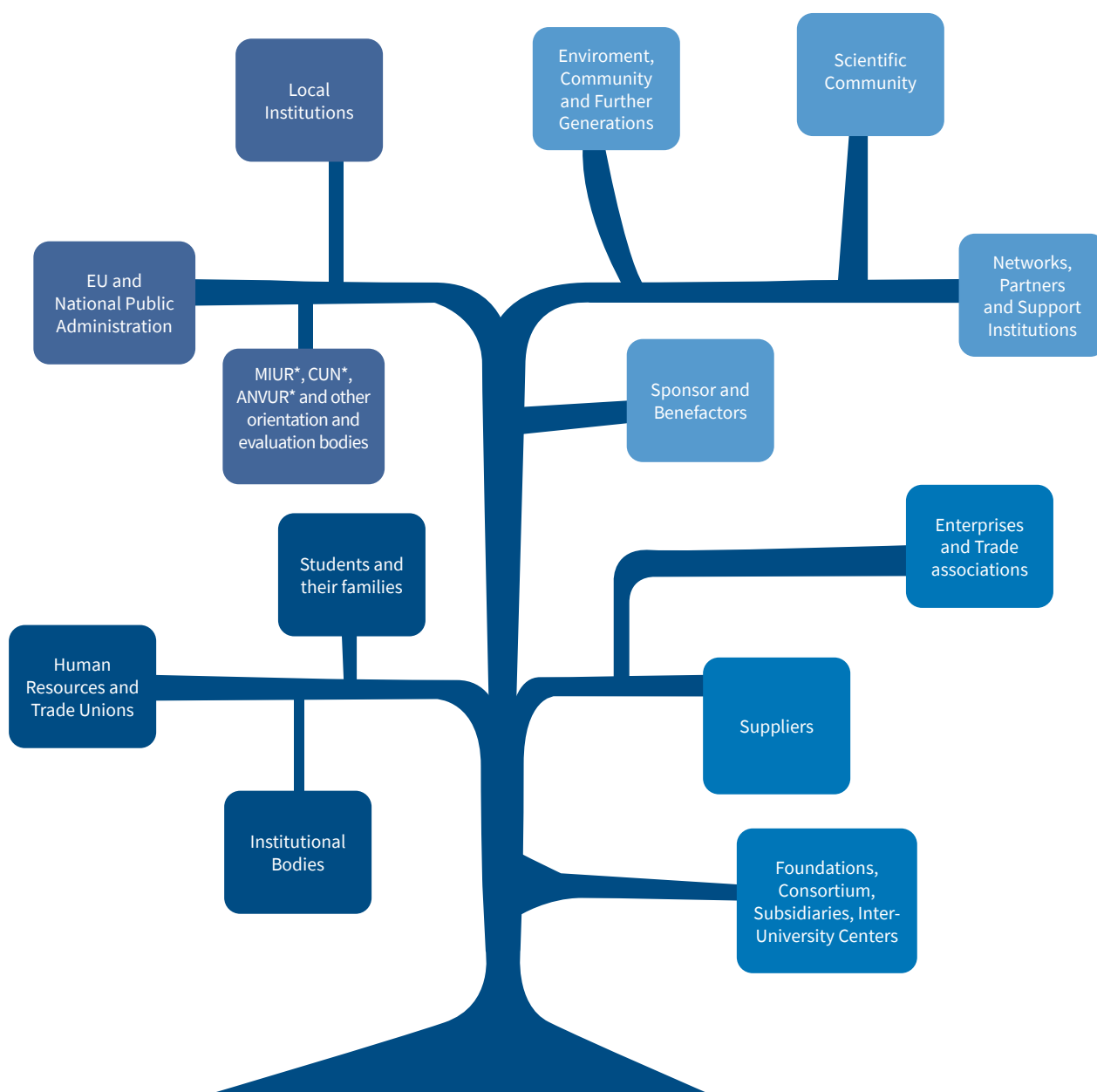
- Providing remote and on-site technical assistance aimed at supervising the design and/or revision of tools to identify and analyse specific issues concerning the exclusion of vulnerable groups
- Providing remote and on-site technical assistance aimed at supervising the development and formalisation of operating instructions (specific protocols) for each school, starting from its needs, to support the scholastic integration of vulnerable children and to assist teachers.

## INSTITUTION

### INSTITUTIONAL ACCOUNTABILITY AND TRANSPARENCY

On the UniBo website, all institutional documents and regulations, including planning and reporting documents, are accessible and available. The university

has also signed the Berlin Declaration on open access to knowledge in the Sciences and Humanities.



**ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA**

\*Ministry for University (MIUR),  
\*National University Council (CUN),  
\*National Agency for Evaluation of University  
and Research (ANVUR)

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# 17. STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT

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**17 PARTNERSHIPS FOR THE GOALS**




TEACHING 



**333**  
COURSE UNITS



**24,255**  
STUDENTS WHO  
CHOSE THE COURSE  
UNITS



**2**  
COLLABORATIONS,  
TEACHING, MOBILITY  
UNITS

RESEARCH 



PUBLICATIONS IN  
SCOPUS 2015-2020

**1,450** (UNIBO)



“CITED BY”  
IN SCOPUS

**34,236** (UNIBO)



H INDEX

**67** (UNIBO)



**118**  
PUBs PER CAPITA  
INDEX NUMBER  
INTERNATIONAL  
BENCHMARK



**90**  
PUBs PER CAPITA  
INDEX NUMBER  
NATIONAL  
BENCHMARK



**6**  
RESEARCH  
PROJECTS  
(1,216,847 €)

INSTITUTION 



**3,053**  
INCOMING



**3,162**  
OUTGOING



### ALAMAENGAGE

Development co-operation represents a core activity of UniBo, in that it unites two main themes of its identity: internationalisation and social commitment. Current global changes and the increasingly fundamental and visible role of universities in promoting sustainable social development require a thorough systematisation of individual efforts by coordinating a wide variety of initiatives and providing support.

AlmaEngage is a virtual structure for coordinating activities of development cooperation and public engagement at the local and international levels. AlmaEngage is part of a broader process that sees universities opening up to the world by promoting

active participation in the social and public sphere and by sharing and transferring knowledge to the benefit of society.

Within the framework of AlmaEngage, students are involved in extra-curricular activities and work on issues of common interest linked to co-operation development and social engagement. In this way, AlmaEngage allows for their professional growth and strengthening of those soft skills that are increasingly essential in a global society. In 2020, AlmaEngage shared and gave space to students' experiences, suggested virtual mobility in collaboration with the Una Europa Alliance, and organised focus groups on Africa."

### IHEA - ITALIAN HIGHER EDUCATION WITH AFRICA

The Italian Higher Education with Africa Foundation is composed of six prestigious Italian universities that represent an international development co-operation project to support young African talents and promote the growth of local universities.

UniBo, along with other Italian universities, is a member of the IHEA Foundation project to strengthen the international collaboration between universities and contribute to forming a multidisciplinary university program by adapting it specifically to the African continent.

In Africa, supporting the development of teaching, training, student empowerment, and staff training becomes increasingly urgent by the day. Therefore, one of the Foundation's missions is a programme for young people aimed at providing educational qualifications recognised in Italy and within the European area of education that will grant them access to managerial, academic, or political-administrative

careers in the European countries involved. The program also envisages an alumni community that will consolidate the cultural, educational, and training heritage of its countries while strengthening the relations and opportunities for exchange with Italy and the other countries.

One of the Foundation's short-term objectives is to support the resilience of African educational systems, starting with a strategic action based on three pillars: a virtual mobility program, and the design of dedicated Bachelor's and Master's Degrees aimed at shaping a new generation of qualified researchers and teachers. The need for qualified training to support socio-economic development in the African continent emerged even more overwhelmingly during the Covid-19 emergency and, thanks to the prompt response of the universities of the IHEA Foundation, the virtual mobility program began in the first semester of the Academic Year 2020/21.

THIRD MISSION **UNA EUROPA**

As of April 2018, UniBo, together with seven other prestigious European universities – Freie Universität Berlin (Germany), University of Edinburgh (Scotland), Helsingin Yliopisto (Finland), Uniwersytet Jagielloński (Poland), KU Leuven (Belgium), Universidad Complutense de Madrid (Spain), Université Paris 1 Panthéon-Sorbonne (France) – has been part of the European university alliance known as Una Europa. This alliance has opened up a shared, multilingual and multidisciplinary academic space and its goal is to create a European University.

The European Commission has funded two projects submitted by Una Europa concerning the initiatives of European alliances. The project is implementing innovative teaching, joint training, and public engagement initiatives, focusing on four themes (European Studies, Sustainability, Cultural Heritage, Data Science/ Artificial Intelligence) and on encouraging the mobility of students, teachers, and technical-administrative staff between the universities of the Alliance, and on the creation of a European university.

**NETWORKS**

UniBo is part of many international networks composed of groups of institutions, within the European and Mediterranean areas, to promote

cooperation in several fields and create a common European area of higher

**SCHOLARS AT RISK (SAR)**

SAR is a network of institutions and individuals who share a mission: protecting scholars and promoting academic freedom. SAR supports scholars facing

threats to safety by setting up temporary academic positions at partner institutions.

**RUS-NETWORKS OF UNIVERSITIES FOR SUSTAINABLE DEVELOPMENT**

Alma Mater has contributed to the establishment of the RUS - Italian Network of Universities for Sustainable Development, aware of the key role that universities play in the training of future generations and in the dissemination of knowledge within society, also regarding the ability to promote sustainable development. This network is the first experience of coordination and sharing among the universities, with the main goal of spreading a culture of sustainability. The main aim of the Network is the diffusion of the culture and good practices of sustainability,

both within and outside the Universities (at urban, regional, national, international level), to increase the positive impacts in environmental, ethical, social and economic terms of the actions implemented by the members of the Network, to contribute to the achievement of the Agenda 2030 for Sustainable Development SDGs, and to strengthen the recognition and value of the Italian experience at international level. The RUS is officially represented inside the seventeen working groups involved in promotion of the SDGs.

## THIRD MISSION

### ASVIS

The University of Bologna has joined the Italian Alliance for Sustainable Development (ASViS) in order to increase its contribution to the process of transition to a sustainable society. We want to expand our commitment to education for sustainable development and the dissemination of a culture of

sustainability, recognising the value of the UN Global Agenda for Sustainable Development and making its objectives our own. The Alliance represents a possibility to extend our areas of intervention to the definition of shared strategies that allow consolidation of a sustainable approach.

### IAU CLUSTER LEADER INSTITUTION ON GENDER EQUALITY

The **IAU Cluster on HESD (Higher Education and Research for Sustainable Development)** promotes the role that Higher Education Institutions globally must fulfil to achieve the SDGs and Agenda 2030. Universities are to address the SDGs, which themselves impact on and transform universities. The Cluster encourages a holistic approach to the SDGs, focusing specifically on the whole institution approach. The

IAU Clusters brings HEIs from all continents together and encourages them to develop joint initiatives and synergies toward the achievement of the SDGs and to build a Worldwide Higher Education Community. The University of Bologna is a Leader Institution of SDG 5 Gender Equality, thanks to the many initiatives and projects we have implemented to raise awareness of this important need of our society at all levels.

### COIMBRA GROUP

The Alma Mater is part of the Coimbra Group, with a particular focus on the Working Group of Development Cooperation. The Coimbra Group was founded in 1985 and is an association of long-established European multidisciplinary universities of a high international standard, whose goal is to create special academic and cultural

ties to promote internationalisation, academic collaboration, excellence in learning and research, and service to society. The Working Group of Development Cooperation is focused on global social responsibility of universities which requires their active engagement with development issues and challenges.

## COVID -19

### THE VIRTUAL MOBILITY PROJECT OF UNA EUROPA

There is no doubt that mobility represents a crucial learning opportunity for university students. Studying abroad is essential for developing the personal, academic, professional, and intercultural skills and expertise required by a global knowledge-based economy.

However, the pandemic has created unprecedented obstacles that require creativity and innovation to overcome. The universities of the Una Europa Alliance have promptly moved their teaching and training activities online in response to the restrictive measures imposed by national authorities, but the experience gained is also intended to generate an impact in the long term.

Consequently, mobility will need to be adapted and reorganised to meet the needs of a future that we have found to be uncertain. For example, by transforming "mobility" into "connectivity".



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# METHODOLOGICAL NOTE

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This document presents the methodological approach used to define the direct and indirect impact of the university's activities in their four dimensions - training, research, third mission and institution - in order to measure their contribution to the advancement of the United Nations 2030 Agenda.

This document was formulated by the Scientific and Technical Committee for Social Reporting at the University of Bologna from April 2021 to July 2021. The data presented herein refers to 2020, as well as A.Y. 2020/21 for training data. Following the Rector's introduction, the report presents the key figures of the University of Bologna, followed by 17 sections, each one dedicated to a U.N. 2030 Agenda goal, reporting the impact generated by the University of Bologna through its diversified activities.

In particular, each goal is reported on in relation to the four dimensions of activities carried out at the University of Bologna (training, research, third mission and institution, where available) using a set of metrics specially formulated to match and integrate with the institutional documents adopted by the University of Bologna.

The data comes mainly from the University Data Warehouse, a database powered by the Alma Mater Studiorum's management systems, also drawing upon ad hoc surveys by the coordinators of the study programme, content analysis of research projects and cooperation programmes, and SCOPUS queries. Below is a description of how certain metrics were quantified in the document.

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### **PUBLICATIONS IN SCOPUS**

Research regarding the number of publications was taken from the Scopus database, considering all articles from 2015-2020 which contain a specific sequence of keywords and an author affiliated with University of Bologna.



This year the document reports two different results for research data, because two sets of keywords were chosen.

This decision was made in order to consider a new way of benchmarking with other universities:

- the first result, it is the outcome of the University of Bologna set of keywords, determined for each UN SD goal by considering the general declaration of the goals and all targets of each goal.

- the second information, it is determined by using a set of Scopus queries related to each of the SDGs except for the 17 Goal: Partnership for the goals, generated by Elsevier.

This approach for some Research information affects also the citations count and the calculation of the H-index which both maintain the two different outcomes.

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### **“CITED BY” IN SCOPUS**

The number of documents that have cited the author for a document’s publication in the DB Scopus.

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### **H-INDEX**

The h-index was developed by the physician Jorge Eduardo Hirsh and counts the highest number of papers having at least the same number of citations. It expresses an easy to read 1:1 relationship between publishing articles and citations. In the bibliometric sectors is widely used to measure the impact in terms of scientific output of a researcher. Here is used to measure the scientific output of the University of Bologna, using the keywords’ clusters, extracted from each SDG, to contain and limit its topics and objectives.

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### **FP7, H2020, LIFE, INTERREG RESEARCH PROJECTS**

The number of FP7, H2020 research projects active on 2020.

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### **INTERNATIONAL BENCHMARKING**

Benchmarking includes universities within the top 9 European Universities ranked in QS World Universities Ranking 2022 comparable to the University of Bologna in terms of:

- Size (XL - more than 30,000 students)
- Focus (FC - all 5 QS faculty areas, including the school of medicine)
- Research Intensity (Very High - more than 13,000 publications in the last X years)
- Status (Public):

Using the above parameters, the field was narrowed to 9 universities:



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UCL (University College London)

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The University of Edinburgh

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The University of Manchester

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University of Amsterdam

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Ludwig-Maximilians-Universität München

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KU Leuven (University of Leuven)

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Sorbonne University

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University of Copenhagen

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Université Paris-Saclay

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### **NATIONAL BENCHMARKING**

Following the parameters used for the selection of the international benchmarking, four Italian universities were selected from the first 400 in the QS World Universities Ranking 2022.



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Sapienza University of Rome

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Università di Padova

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University of Milan

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University of Pisa

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The Scopus research criteria and the index number calculation criteria were the same as that of international benchmarking.

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### **COURSE UNITS**



This data came from a survey investigating the link between the single course unit of a study programme and the U.N. Sustainable Development Goals. The survey was conducted asking to all teachers the link for each their course units using a web procedure. More than 95% of course units of the A.Y 2020/2021 has a link with at least a SDG.

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### **STUDENTS**



The number of students who could choose to attend a course unit “tagged” for that SDG in A.Y. 2020/2021

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### **COLLABORATIONS, TEACHING, MOBILITY**



The number of collaboration, teaching and mobility projects which were active in 2020.

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### **COOPERATION AND SOCIAL ENGAGEMENT RESEARCH PROJECTS**



The number of cooperation and social engagement projects active in 2020

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### **PATENTS (INCLUDING NEW PLANT VARIETIES)**



The number of active patents and vegetal varieties registered in 2019 by the university (both ownership and co-ownership), including their various international extensions.

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**NOTES**

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## ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

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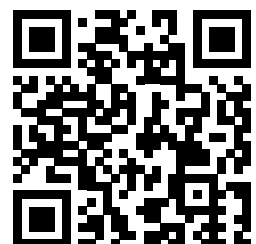
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